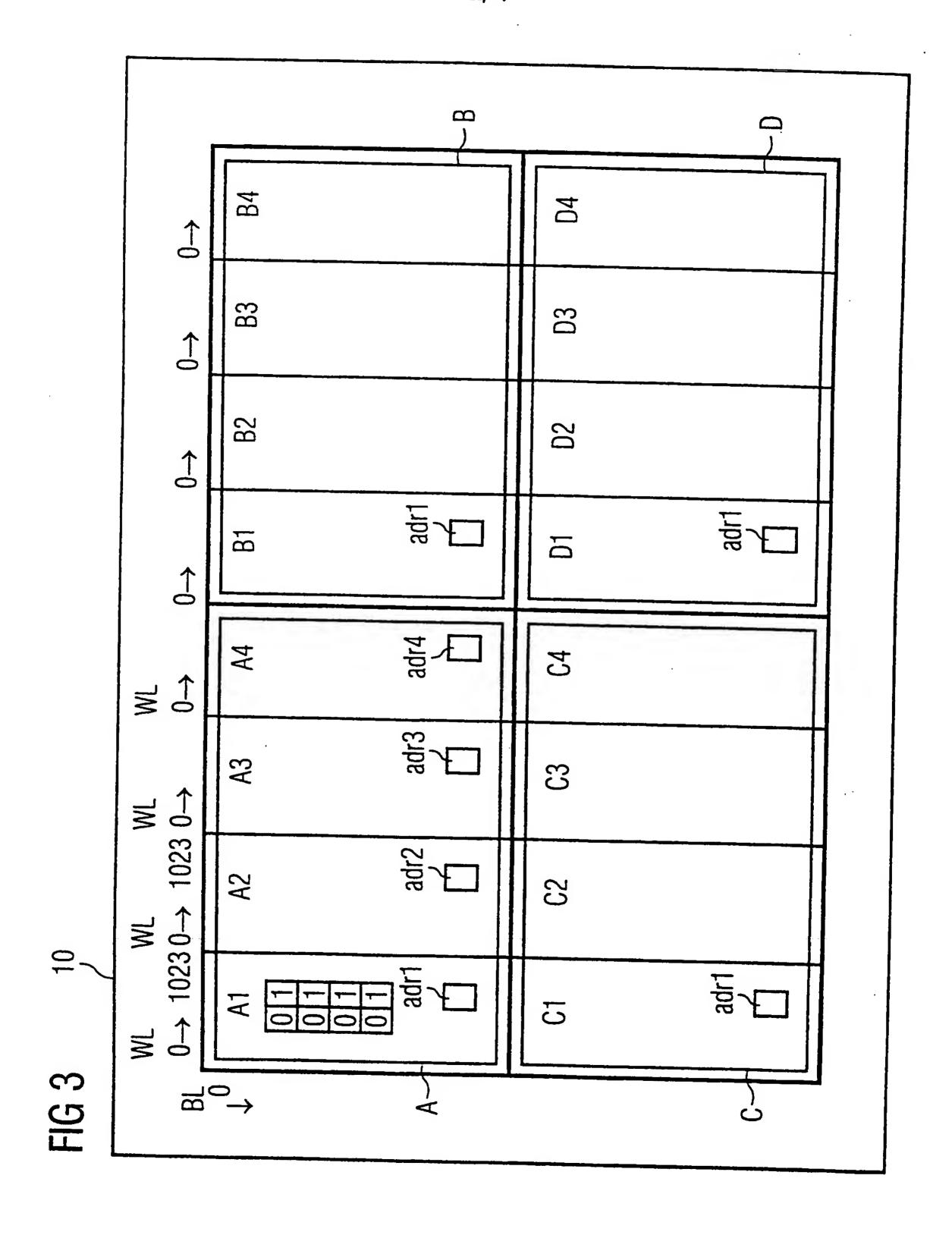
FIG 1 Prior Art

Clock	Command (Bank A)		
1	act-A-adr 1		
2	0		
3	rd-A-adr 1		
4	0		
5	0		
6	0		
7	pre-A-adr 1		
8	0		
9	act-A-adr 2		
10	0		
11	rd-A-adr 2		
12	0		
13	0		
14	0		
15	pre-A-adr 2		
16	0		

FIG 2 Prior Art

Clock	Command		
1	act-A		
2	pre-B		
3	rd-A		
4	act-B		
5	pre-C		
6	rd-B		
7	act-C		
8	pre-D		
9	rd-C		
10	act-D		
11	pre-A		
12	rd-D		

ord={act, pre, rd, wr}  $X=\{A, B, C, D\}$ 



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## Command Sequence {ord-Xn-adrN} :

	12A	12B	12C	12D	
Clock Period	(Bank A)	(Bank B)	(Bank C)	(Bank D)	
1	act-A1-adr 1	act-B1-adr 1	act-C1-adr 1	act-D1-adr 1	]
2	pre-A2-adr 2	pre-B2-adr 2	pre-C2-adr 2	pre-D2-adr 2	
3	rd-A1-adr 1	rd-B1-adr 1	rd-C1-adr 1	rd-D1-adr 1	
4	act-A2-adr 2	act-B2-adr 2	act-C2-adr 2	act-D2-adr 2	
5	pre-A3-adr 3	pre-B3-adr 3	pre-C3-adr 3	pre-D3-adr 3	
6	rd-A2-adr 2	rd-B2-adr 2	rd-C2-adr 2	rd-D2-adr 2	13
7	act-A3-adr 3	act-B3-adr 3	act-C3-adr 3	act-D3-adr 3	
8	pre-A4-adr 4	pre-B4-adr 4	pre-C4-adr 4	pre-D4-adr 4	
9	rd-A3-adr 3	rd-B3-adr 3	rd-C3-adr 3	rd-D3-adr 3	
10	act-A4-adr 4	act-B4-adr 4	act-C4-adr 4	act-D4-adr 4	
11	pre-A1-adr 1	pre-B1-adr 1	pre-C1-adr 1	pre-D1-adr 1	
12	rd-A4-adr 4	rd-B4-adr 4	rd-C4-adr 4	rd-D4-adr 4	,
13	act-A1-adr 5	act-B1-adr 5	act-C1-adr 5	act-D1-adr 5	1
14	pre-A2-adr 6	pre-B2-adr 6	pre-C2-adr 6	pre-D2-adr 6	
15	rd-A1-adr 5	rd-B1-adr 5	rd-C1-adr 5	rd-D1-adr 5	
16	act-A2-adr 6	act-B2-adr 6	act-C2-adr 6	act-D2-adr 6	
17	pre-A3-adr 7	pre-B3-adr 7	pre-C3-adr 7	pre-D3-adr 7	
18	rd-A2-adr 6	rd-B2-adr 6	rd-C2-adr 6	rd-D2-adr 6	1 4 1
19	act-A3-adr 7	act-B3-adr 7	act-C3-adr 7	act-D3-adr 7	}14
20	pre-A4-adr 8	pre-B4-adr 8	pre-C4-adr 8	pre-D4-adr 8	
21	rd-A3-adr 7	rd-B3-adr 7	rd-C3-adr 7	rd-D3-adr 7	
22	act-A4-adr 8	act-B4-adr 8	act-C4-adr 8	act-D4-adr 8	
23	pre-A1-adr 5	pre-B1-adr 5	pre-C1-adr 5	pre-D1-adr 5	
24	rd-A4-adr 8	rd-B4-adr 8	rd-C4-adr 8	rd-D4-adr 8	
	13A, 14A	13B, 14B	13C, 14C	13D, 14D	_

FIG 5

